TELEFUNKEN SERVICE

PHONO
RECORD PLAYER
TOURNE-DISQUE

Bestell-Nr. 319 492 900

CD-PLAYER
(2. Version/2nd version)

HS 810 CD	E-Nr. 535 469 133
HS 975 CD	E-Nr. 535 469 126
CD 300 E	E-Nr. 335 469 134
CD 300	E-Nr. 335 469 147
CD 500	E-Nr. 335 469 046

ACHTUNG! Ersatzteilbestellungen sind schneller und kostengünstiger über
Btx ✻ 38100 0080 #
(Nur in der Bundesrepublik Deutschland und West-Berlin)

Vorsicht! Unsichtbare Laserstrahlung tritt aus, wenn Gerät geöffnet ist. Nicht dem Strahl aussetzen! Laser Klasse 3 B.
Caution! Invisable laser radiation when open and interlocks failed or defeated. Avoid exposure to beam! Class 3 B laser product.
Attention! Rayonnement laser invisible dangereux en cas d'ouverture et lorsque la sécurité est neutralisée. Exposition dangereuse au faisceau! Appareil a laser de classe 3 B.

Stromlaufplan – Lagepläne – Service-Einstellungen – Ersatzteile
Schematic Diagram – Component Layouts – Service Adjustments – Spare Parts
Schéma – Plan de localisation – Réglages de services – Pièces de rechange

Technische Daten

Sampling Frequenz:	44,1 kHz	**Geräuschspannungsabstand** (bewertet A):	100 dB
D / A Wandlung (Quantisierung):	16 Bit/Kanal, Oversampling	**Dynamikbereich** (bewertet A):	96 dB
Übertragungsbereich:	10-20 000 Hz ± 0,2 dB	**Stromversorgung:**	220 Volt, 50 Hz
Klirrfaktor (1 kHz):	0,006 %		
Übersprechdämpfung Stereo (1 kHz):	82 dB	**Änderungen vorbehalten!**	

Technical Data

Sampling Frequency:	44.1 kHz	**Signal/Noise Ratio** (weighted A):	100 dB
D / A Conversion (Quantisation):	16 Bit/Channel, Oversampling	**Dynamic Range** (weighted A):	96 dB
Frequency Response:	10-20 000 Hz ± 0.2 dB	**Power Supply:**	220 V, 50 Hz
Total Harmonic Distortion (1 kHz):	0.006 %		
Channel Separation (1 kHz):	82 dB	**Modifications reserved!**	

Caractéristiques principales

Fréquence d'échantillonnage:	44,1 kHz	**Rapport signal/bruit** (pondéré A):	100 dB
Quantification:	16 bits linéaire/canal	**Dynamique** (pondéré A):	96 dB
Courbe de réponse:	10-20 000 Hz ± 0,2 dB	**Alimentation:**	220 V, 50 Hz
Distorsion harmonique (à 1 kHz):	0,006 %		
Diaphonie (à 1 kHz):	82 dB	**Modifications réservées!**	

Abgleich

	Punkt	Vorbereitung	Einstellung
1.	PLL (VCO)	CD-Spieler auf Stop	Frequenzzähler an BD 02. Abgleich mit Einsteller PD 18 auf 4.321 MHz ± 6 kHz, (evtl. RD 19 entfernen).
2.	Tracking offset	CD-Spieler auf Stop	DC-Voltmeter an BL 05. Abgleich mit Einsteller PB 08 auf 0 ± 10 mV.
3.	Focus gain und Track gain	Focus gain sowie Track gain sind werksseitig optimal eingestellt und dürfen nicht verändert werden.	

Kontrolle

	Punkt	Vorbereitung	Messung
1.	Frequenzgang	Test-Disc abspielen: Sony C.D.3 Track 1 1 kHz Track 2 20 Hz Track 11 20 kHz	NF-Voltmeter an Ausgangsbuchsen (BR 02, links und rechts). 2,0 V ± 0,2 (Vref) Vref + 0/− 0,5 dB Vref + 0/− 0,5 dB
2.	Geräuschspannungs-Abstand	Test-Disc abspielen: Sony C.D.3 Track 23 Vref 0 dB	NF-Voltmeter an Ausgangsbuchsen (BR 02, links und rechts). Messen: S/N > 88 dB
3.	Übersprechen	Test-Disc abspielen: Sony C.D.3 Track 30 und Track 34 Vref 0 dB	NF-Voltmeter an Ausgangsbuchsen (BR 02, links und rechts). Messen: Übersprechdämpfung > 77 dB

Alignment

	Sequence	Preparation	Adjustments
1.	PLL (VCO)	Player in STOP mode.	Frequency counter to BD 02. Adjust PD 18 for 4.321 MHz ± 6 kHz. Eventual disconnect RD 19.
2.	Tracking offset	Player in STOP mode.	DC voltmeter to BL 05. Adjust PB 08 for 0 ± 10 mV.
3.	Focus gain and Track gain	Focus gain and Track gain are adjusted by the manufacturer, avoid to touch.	

Check

	Sequence	Preparation	Check
1.	Frequency response	Play test disc: Sony C.D.3 Track 1 1 kHz Track 2 20 Hz Track 11 20 Hz	AC voltmeter to output socket (BR 02, left and right). 2,0 V ± 0,2 (Vref) Vref + 0/− 0,5 dB Vref + 0/− 0,5 dB
2.	Signal to Noise Ratio (unweighted)	Play test disc: Sony C.D.3 Track 23 Vref 0 dB	AC voltmeter to output socket (BR 02, left and right). measure S/N (> 88 dB)
3.	Separation	Play test disc: Sony C.D.3 Track 30 and Track 34 Vref 0 dB	AC voltmeter to output socket (BR 02, left and right). measure channel separation (> 77 dB)

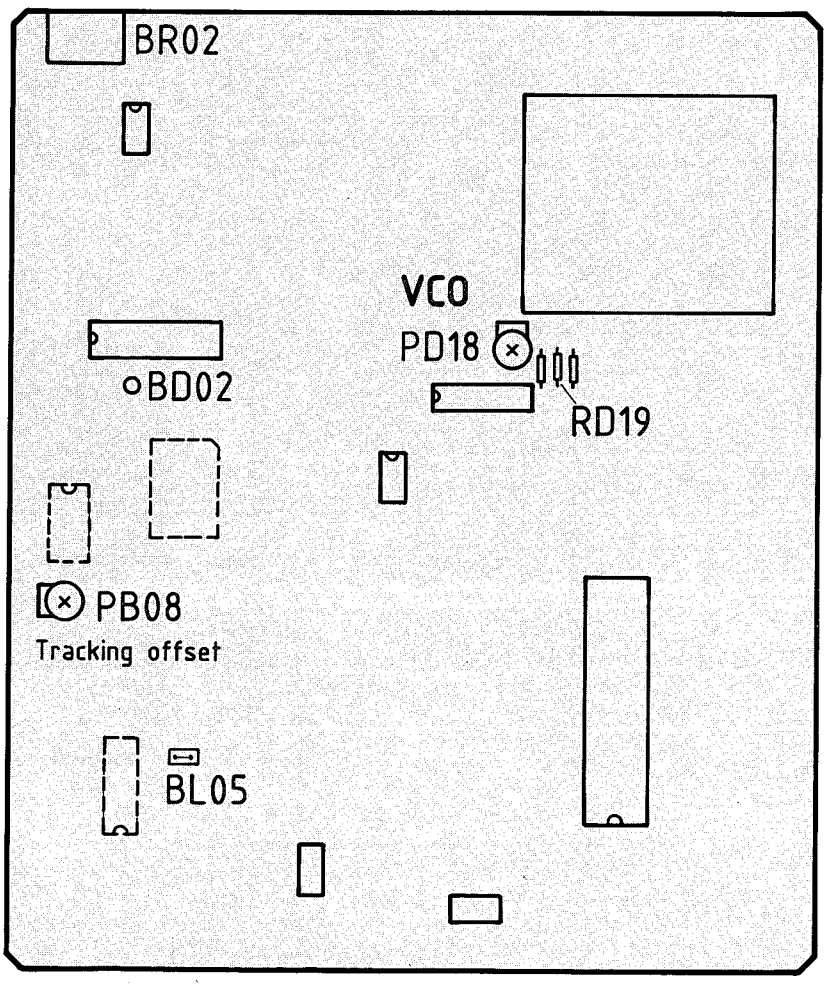
Alignement

	Suite	Fonction	Description
1.	PLL (VCO)	Arrêt	Compteur de fréquence à BD 02. Régler avec PD 18 au 4.321 MHz ± 6 kHz, Eventuel retirer RD 19.
2.	Tracking offset	Arrêt	Voltmètre à BL 05. Régler avec PB 08 au 0 ± 10 mV.
3.	Focus gain et Track gain.	Réglage d'usine, éviter d'y toucher.	

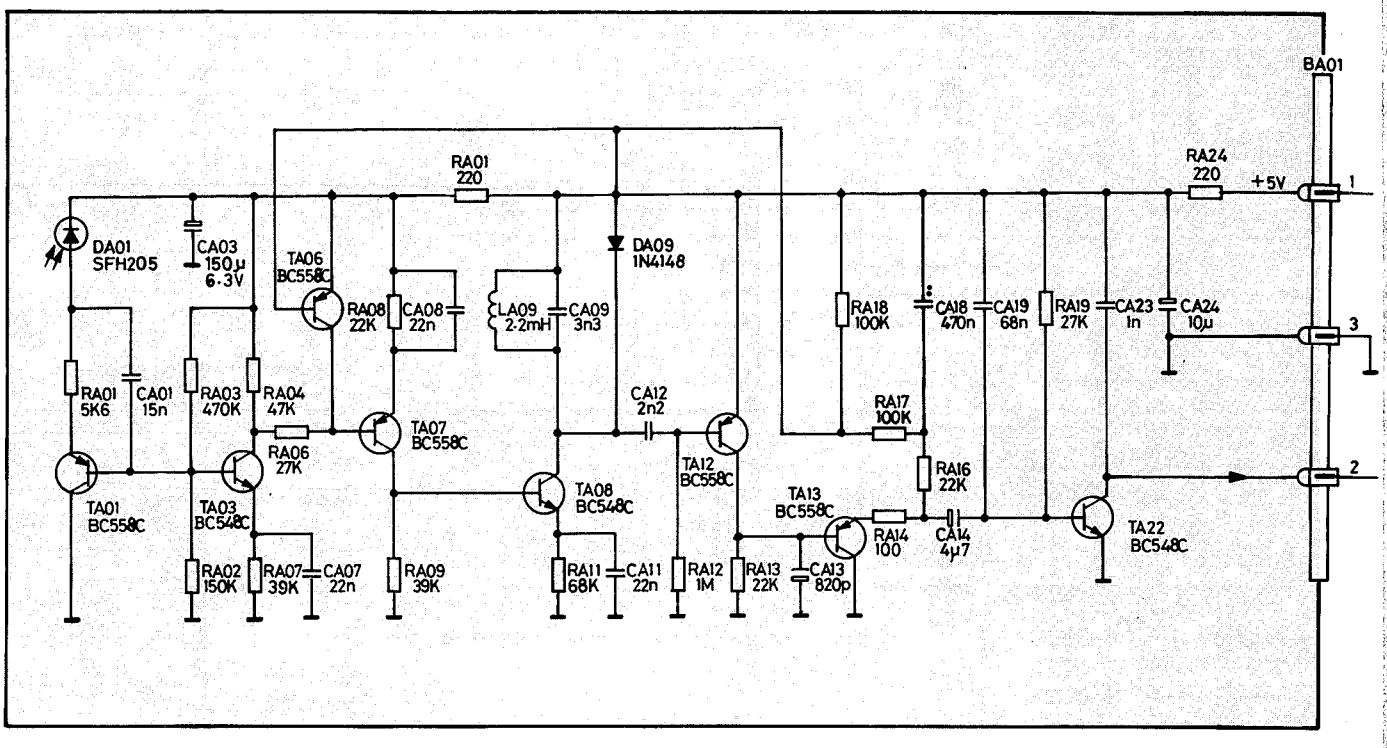
Contrôle

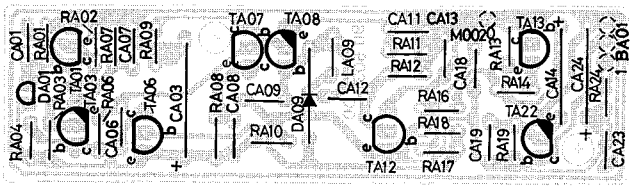
	Suite	Préparation	Contrôle
1.	Passage de fréquence	Lecture, test disque: Sony C.D.3 Track 1 1 kHz Track 2 20 Hz Track 11 20 kHz	Voltmètre BF à BR 02. 2,0 V ± 0,2 (Vref) Vref + 0/-0,5 dB Vref + 0/-0,5 dB
2.	Rapport signal/bruit	Lecture, test disque: Sony C.D.3 Track 23 Vref 0 dB	Voltmètre BF à BR 02. Mesurer rapport signal/bruit > 88 dB
3.	Diaphonie	Lecture, test disque: Sony C.D.3 Track 30 et Track 34 Vref 0 dB	Voltmètre BF à BR 02. Mesurer diaphonie > 77 dB

Abgleichpunkte · Alignment points · Points d'alignement



IR Vorverstärker · IR preamplifier · Préampli à infrarouge





Ausbau der Schublade: Gehäusedeckel und Frontplatte abnehmen. Gerät einschalten und Schublade ausfahren lassen (bei ausgeschaltetem Gerät kann auch durch Drehen am Zahnrad Ⓓ die Schublade bewegt werden). Anschließend Gerät ausschalten, beide Kunststoffanschläge Ⓐ herunterdrücken und Schublade herausziehen.

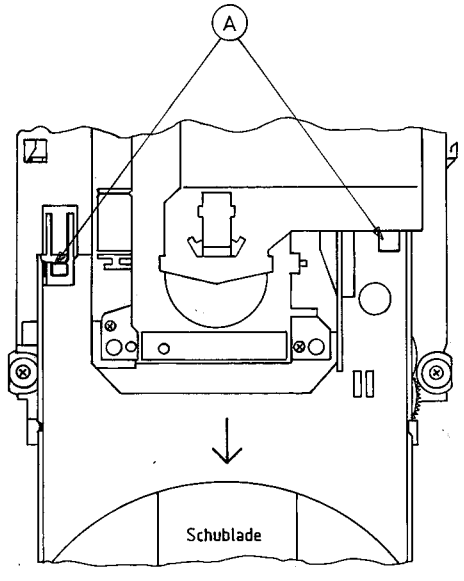
Einbau: Führung Ⓑ und Ⓒ zentrieren und Schublade bis zum Anschlag einschieben. Gerät einschalten, Schubladenfunktion überprüfen.

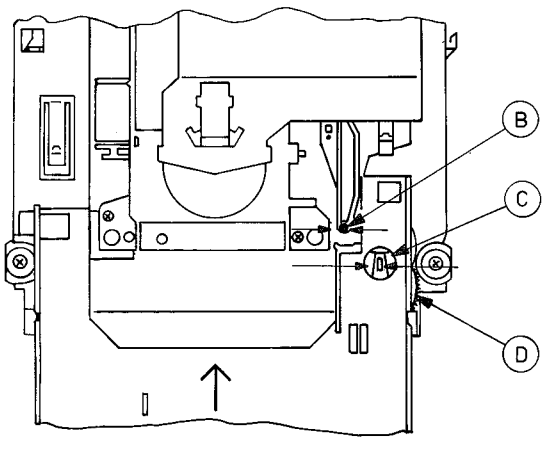
Dismounting the disk drawer: Open the cover and remove the front panel. Turn on the unit and open the drawer by pressing the button OPEN. Turn off the unit, press down the two plastic stoppers Ⓐ and pull the drawer until it is fully out.

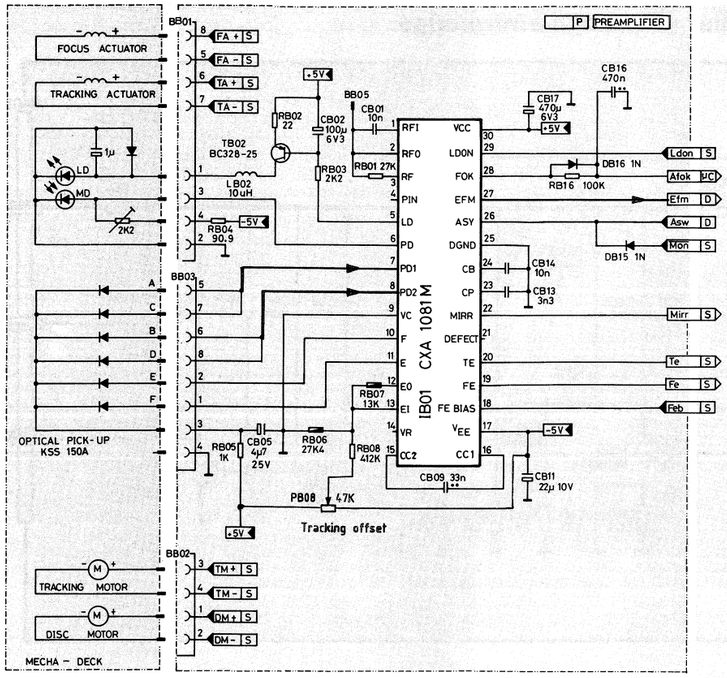
Mounting: Center the two guides Ⓑ and Ⓒ. Insert the disk drawer fully in. Turn on the unit and check the open / close circuit by pressing the button OPEN-CLOSE.

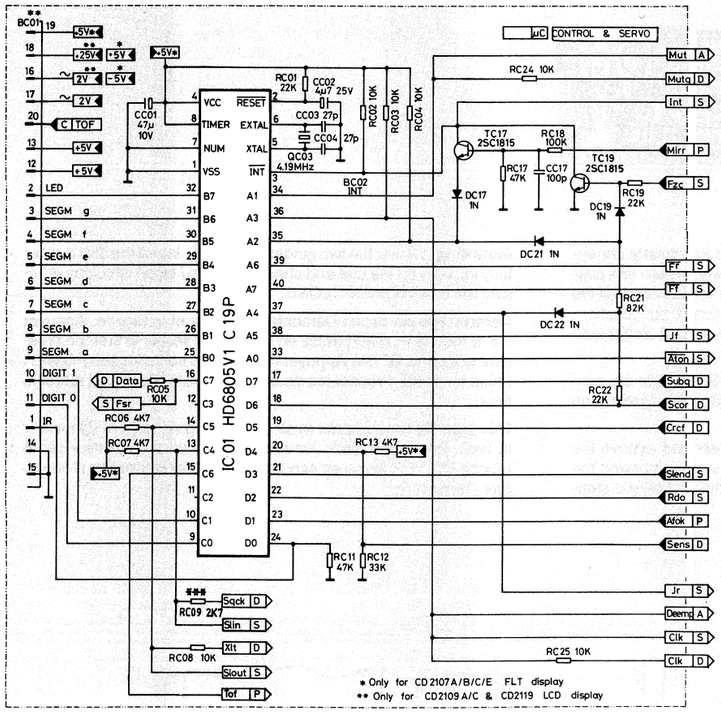
Démontage du tiroir: Démonter le boîtier et la façade. Appuyer sur la touche POWER (mise en service) et sortier le tiroir en pressant la touche OPEN. Appuyer de nouveau sur la touche POWER (mise en arrêt). Presser les deux butées plastiques Ⓐ et retirer le tiroir.

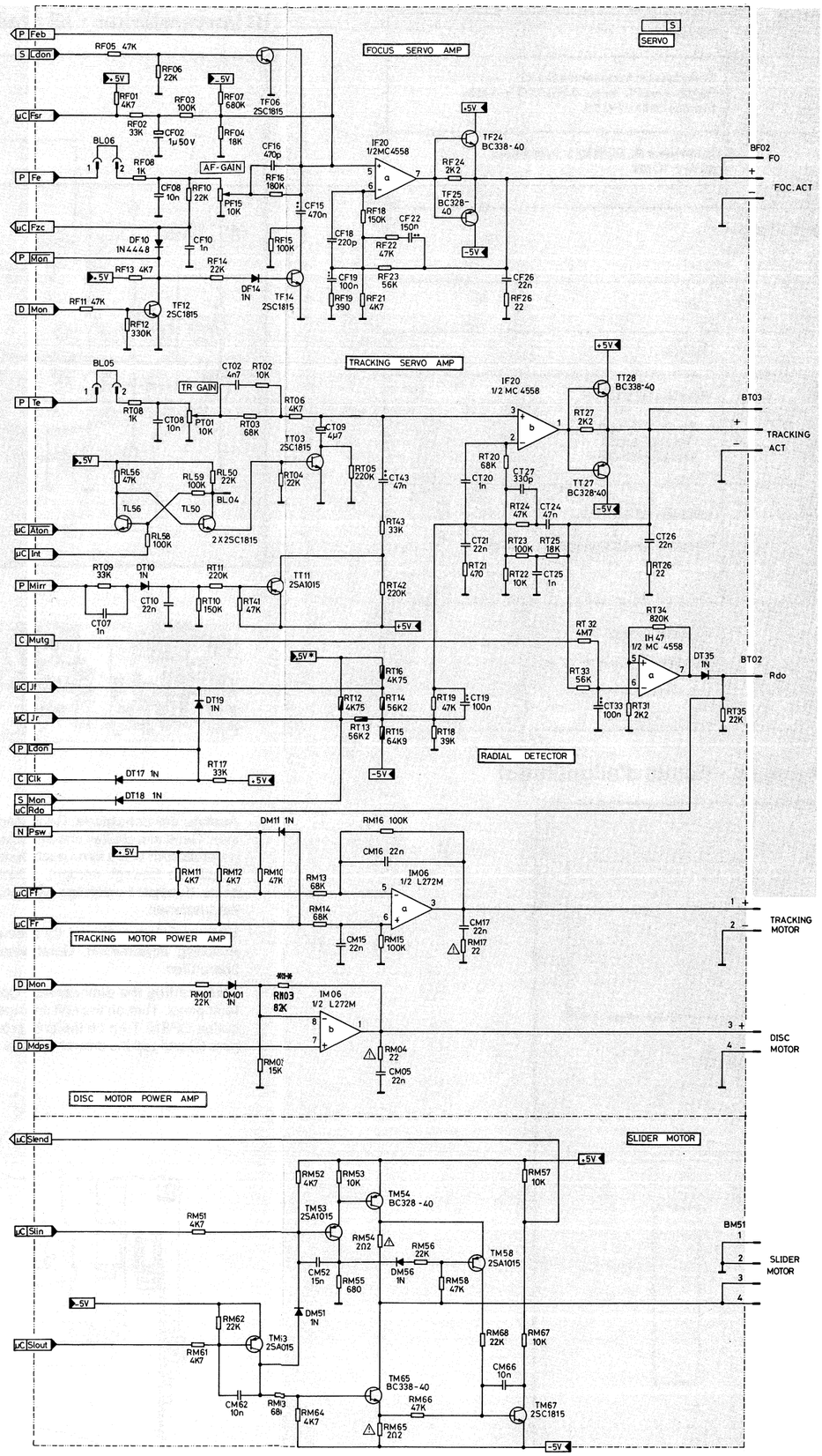
Montage du tiroir: Après avoir centré les guides Ⓑ et Ⓒ insérer le tiroir. Pousser le tiroir Jusqu'en fin de course. Appuyer sur la touche POWER (mise en service) et contrôler la fonction d'ouverture / fermeture.

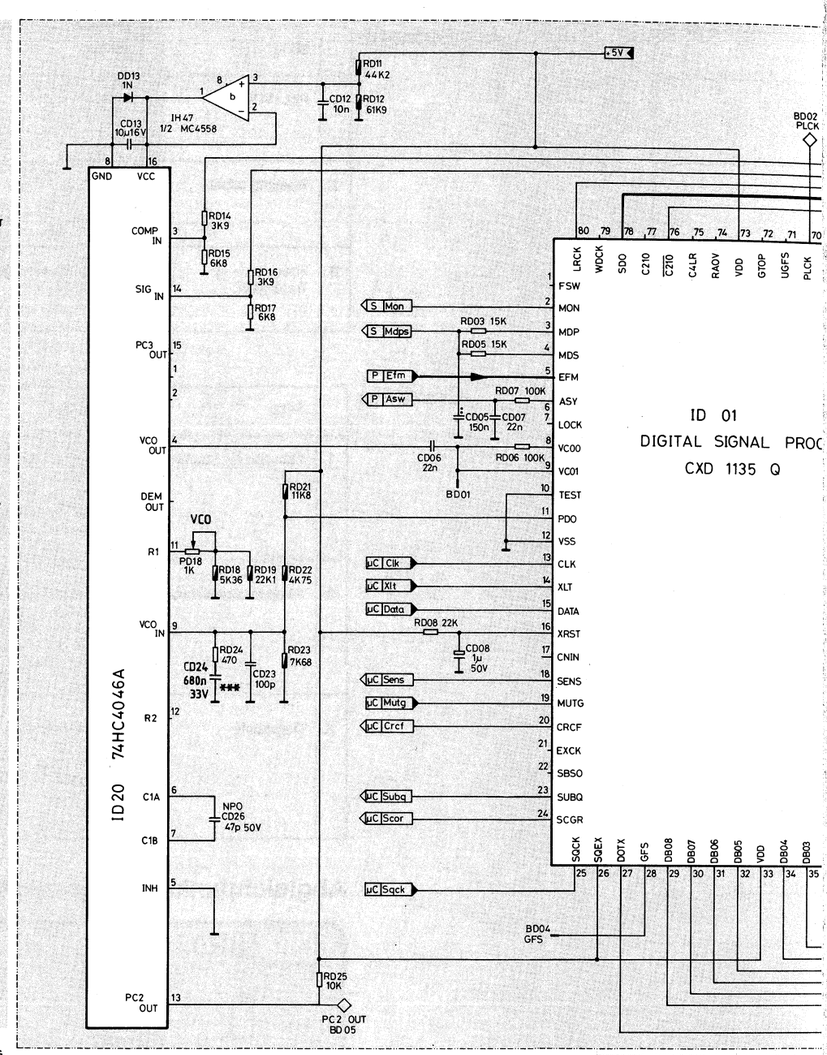












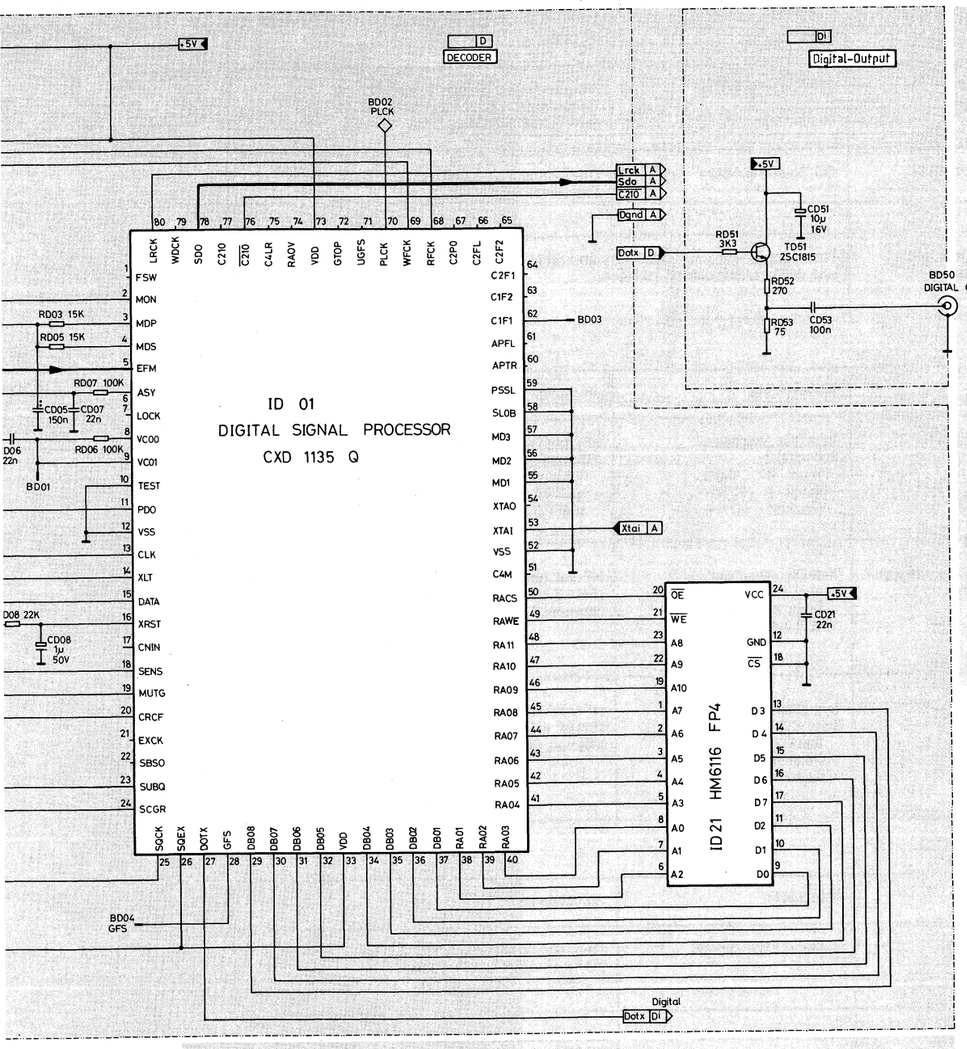
*** Achtung: Neuer Fertigungsstand (Wert kontrollieren und ggf. auswechseln).
Control the values – eventual change the components.
Contrôler la valeur, éventuel échanger les composants.

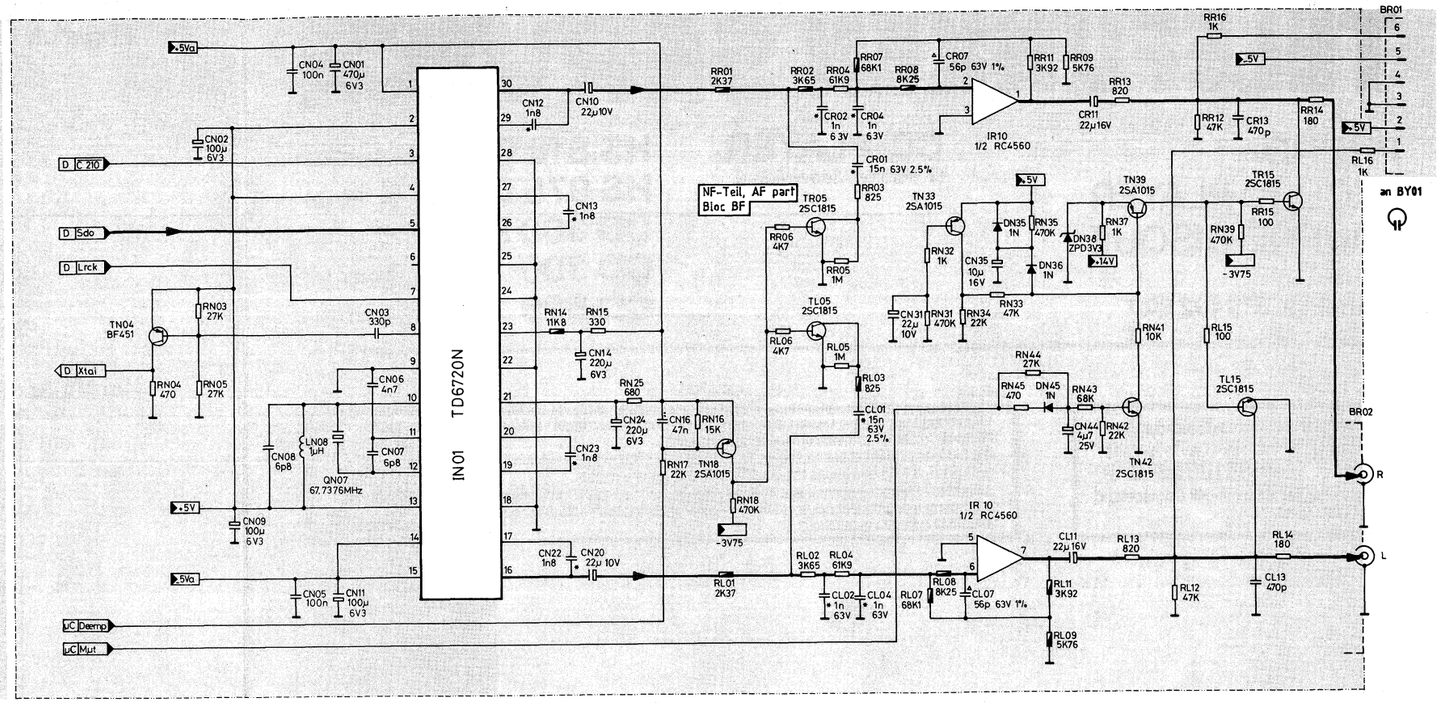
Abkürzungen

Afok	Automatic Focussing OK
Aton	Automatic Tracking ON
Efm	Eight to Fourteen Modulation
Fe	Focus Error Signal
Ff	Fast Forward
Fr	Fast Rewind
Fsr	Focus Search
Fzc	Focus Zero Cross
Jf	Jump Forward
Jr	Jump Rewind
Ldon	Laser-Diode ON
Mon	Motor ON (Disc Motor)
Mut	Muting (Stummschaltg.)
Mutg	Muting (Stummschaltg.)
Rdo	Radial Detector Output
Slend	Slider End (-Position)
Slin	Slider IN
Slout	Slider OUT
Te	Tracking Error Signal

– siehe auch Seite 10 (ID 01, IC 01) –

HS 975 CD
Kopfhörer-Anschlußplatte
Headphone board
Platine de casque d'écoute


+5V
DECODER
D
BD02
PLCK
Lrck A
Sdo A
C2I0 A
Dgnd A
Dotx D
RD51 3K3
TD51 2SC1815
CD51 10µ 16V
RD52 270
RD53 75
CD53 100n
BD50
DIGITAL O/P
Digital-Output
DI
LRCK WDCK SDO C2I0 C2I0 C4LR RAQV VDD GTOP UGFS PLCK WFCK RFCK C2P0 C2FL C2F2
FSW MON MDP MDS EFM ASY LOCK VCO0 VCO1 TEST PDO VSS CLK XLT DATA XRST CNIN SENS MUTG CRCF EXCK SBSO SUBQ SCGR
C2F1 C1F2 C1F1 APFL APTR PSSL SL0B MD3 MD2 MD1 XTAO XTAI VSS C4M RACS RAWE RA11 RA10 RA09 RA08 RA07 RA06 RA05 RA04
SOCK SOEX DOTX GFS DB08 DB07 DB06 DB05 VDD DB04 DB03 DB02 DB01 RA01 RA02 RA03
ID 01
DIGITAL SIGNAL PROCESSOR
CXD 1135 Q
RD03 15K
RD05 15K
RD07 100K
RD06 100K
CD05 150n
CD07 22n
CD06 22n
BD01
CD08 1µ 50V
CD08 22K
BD04 GFS
Xtai A
BD03
OE WE A8 A9 A10 A7 A6 A5 A4 A3 A0 A1 A2 VCC GND CS D3 D4 D5 D6 D7 D2 D1 D0
ID 21 HM6116 FP4
CD21 22n
Digital
Dotx DI



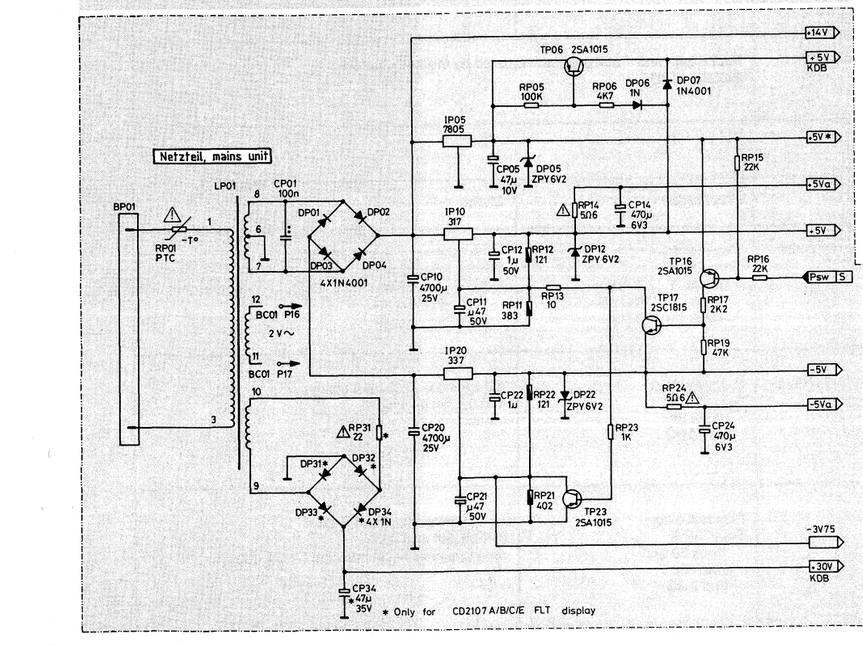
MAIN BOARD BC01 **

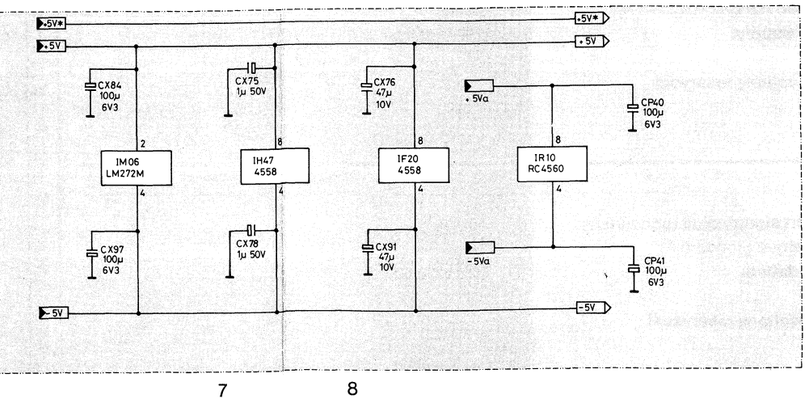
CONTROL BOARD BS01

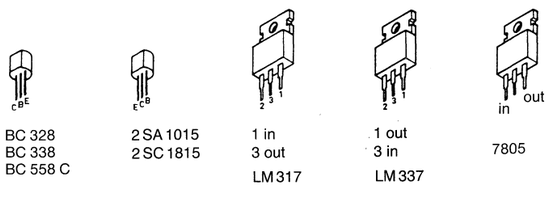
CD2104 A/B/C/D	KDB	CCT. NO. 94 - 0098
CD2107 E	KDB	CCT. NO. 94 - 0153
CD2107 A/C	KDB	CCT. NO. 94 - 0132
CD2109 A/C	KDB	CCT. NO. 94 - 0167
CD 2119	KDB	CCT. NO. 94 - 0267

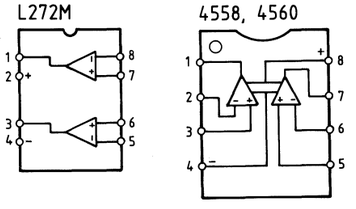
TO POWER SUPPLY
FROM POWER SUPPLY
1N 1N4148

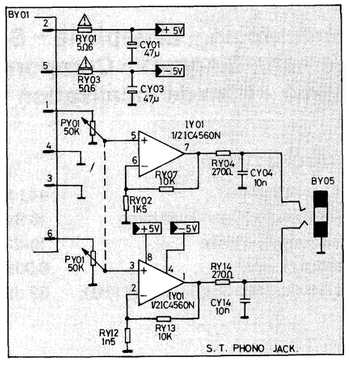
µC SERVO -uC
D DECODER
P PRE. AMPLIFIER
S SERVO
A AUDIO
N POWER SUPPLY

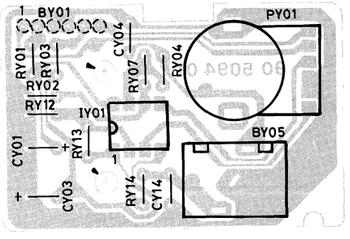








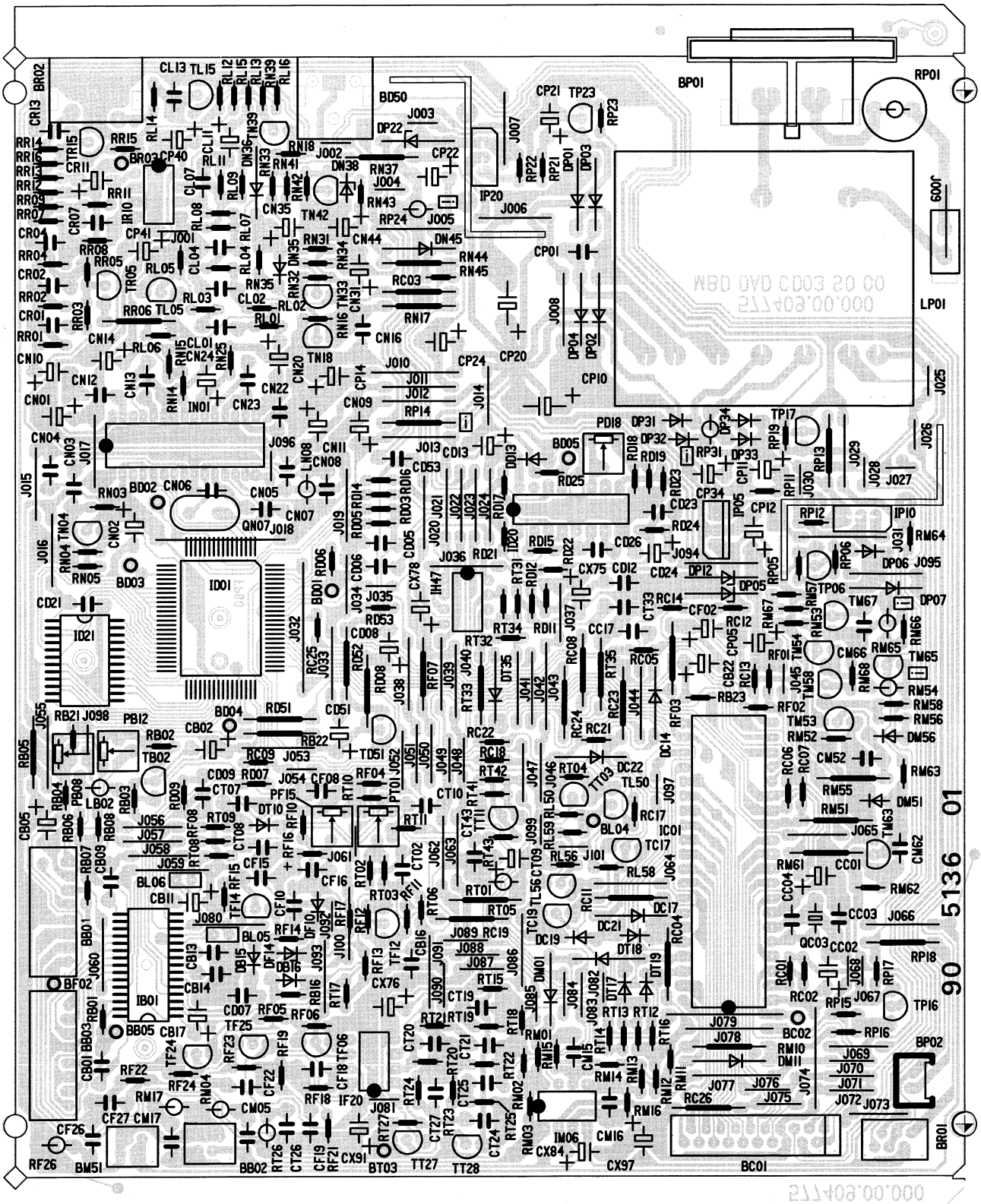




⚠ Sicherheitsbauteile nur gegen Original-Ersatzteile auswechseln!
Replace safety components only with original spare parts!
Ne remplacer les composants de sécurité que par des composants originaux!

Haupt-Leiterplatte · Prinicpal Board · Platine principale

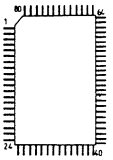
Bestückungsseite · Component side · Côté équipement



CXD 1135 (ID 01)

Digital Signal Processor

PIN	NAME	FUNKTION
1	FSW	Disc motor output filter time constant select output
2	MON	Disc motor ON/OFF control output
3	MDP	Disc motor drive output. Rough control during CLV-S mode and phase control during CLV-P mode
4	MDS	Disc motor drive output. Speed control during CLV-P mode
5	EFM	EFM signal input from data slider
7	MIRR	Input not used to GND
8	VCOO	VCO output. When locked to EFM signal, f = 8.6432 MHz
9	VCOI	VCO input
10	TEST	Input not used to GND
11	PDO	EFM signal and VCO/2 phase comparison output
12	Vss	GND
13	CLK	Serial data transfer clock input from CPU. Data latching clock rise edge
14	XLT	Latch input from CPU. Latching 8-bit shift register data (serial data from CPU) to respective registers
15	DATA	Serial data input from CPU
16	XRST	System reset input
19	MUTG	Muting input with internal register A ATTM at low, normal state when MUTG is low and no sound when it is high
20	CRCF	Output the CRC result of subcode Q
21	EXCK	Input not used to GND
23	SUBQ	Subcode serial output
24	SCOR	Subcode sync SO + S1 output
25	WFCK	Write frame clock output. When frame synch is locked, f = 7.35 kHz
26	RFCK	Read frame clock output. Crystal system 7.35 kHz
28	GFS	Frame sync lock state display output
29	DB 08	External RAM data terminal. Data 8 (MSB)
30	DB 07	External RAM data terminal. Data 7
31	DB 06	External RAM data terminal. Data 6
32	DB 05	External RAM data terminal. Data 5
33	VDD	+ 5 V
34	DB 04	External RAM data terminal. Data 4
35	DB 03	External RAM data terminal. Data 3
36	DB 02	External RAM data terminal. Data 2
37	DB 01	External RAM data terminal. Data 1 (LSB)



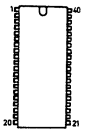
CXD 1135

PIN	NAME	FUNKTION
38	RA 01	External RAM address output ADDR 01 (LSB)
39	RA 02	External RAM address output ADDR 02
40	RA 03	External RAM address output ADDR 03
41	RA 04	External RAM address output ADDR 04
42	RA 05	External RAM address output ADDR 05
43	RA 06	External RAM address output ADDR 06
44	RA 07	External RAM address output ADDR 07
45	RA 08	External RAM address output ADDR 08
46	RA 09	External RAM address output ADDR 09
47	RA 10	External RAM address output ADDR 10
48	RA 11	External RAM address output ADDR 11 (MSB) 49
49	RAWE	Write enable signal output to external RAM (active when low)
50	RACS	Chip select signal output to external RAM (active when low)
51	CAM	Crystal 1/2 frequency division output. f = 4.2336 MHz
52	Vss	GND
53	XTAI	Crystal oscillation circuit input. f = 8.4672 MHz
54	XTAO	Crystal oscillation circuit output. f = 8.4672 MHz
56	SLOB	Audio data output code select input (Two's complement when low)
59	PSSL	Audio data output mode select input (Serial output when low)
62	C1F1	Error correction state monitor output in C1 decoding
63	C1F2	Error correction state monitor output in C1 decoding
64	C2F1	Error correction state monitor output in C2 decoding
65	C2F2	Error correction state monitor output in C2 decoding
70	PLCK	VCO/2 output. When locking to EFM signal, f = 4.3216 MHz
73	VDD	+ 5 V
76	C210	C210 inversion signal
77	C210	Bit clock output. f = Crystal oscillator frequency/4 = 2.1168 MHz
78	SDO	Audio signal serial data output
79	WDCK	88.2 KHz strobe signal output
80	LRCK	44.1 KHz strobe signal output

HD 6805 V1 (IC 01)

Servo-Control-μC

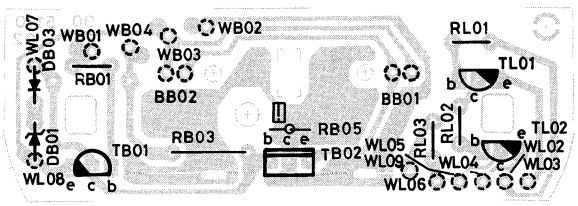
PIN	NAME	FUNKTION
1	Vss	GND (0 V)
2	RESET	System Reset Input (aktiv low)
3	INT	External Interrupt Input Pin
4	Vcc	+ 5 V dc
5	XTAL	External Clock Input
6	EXTAL	low-Level (to GND)
7	NUM	low-Level (to GND)
8	TIMER	high-Level (to + 5 V)
9	C0	Digit 0
10	C1	Digit 1
11	C2	EMPH (EMPHasis – Deemphasis ON/OFF
12	C3	XLT
13	C4	SLIN (SLider IN)
14	C5	SLOUT (SLider OUT)
15	C6	MUTG (MUTinG)
16	C7	FSR (Focus SeaRch)
17	D7	SUBQ (SUBcode Q-Kanal)
18	D6	SCOR
19	D5	CRCF
20	D4	high-Level (to + 5 V)
21	D3	SLEND (Slider END)
22	D2	RDO (Radial Detector Output)
23	D1	AFOK (Automatic Focus OK)
24	D0	PROG (PROGrammiertaste)

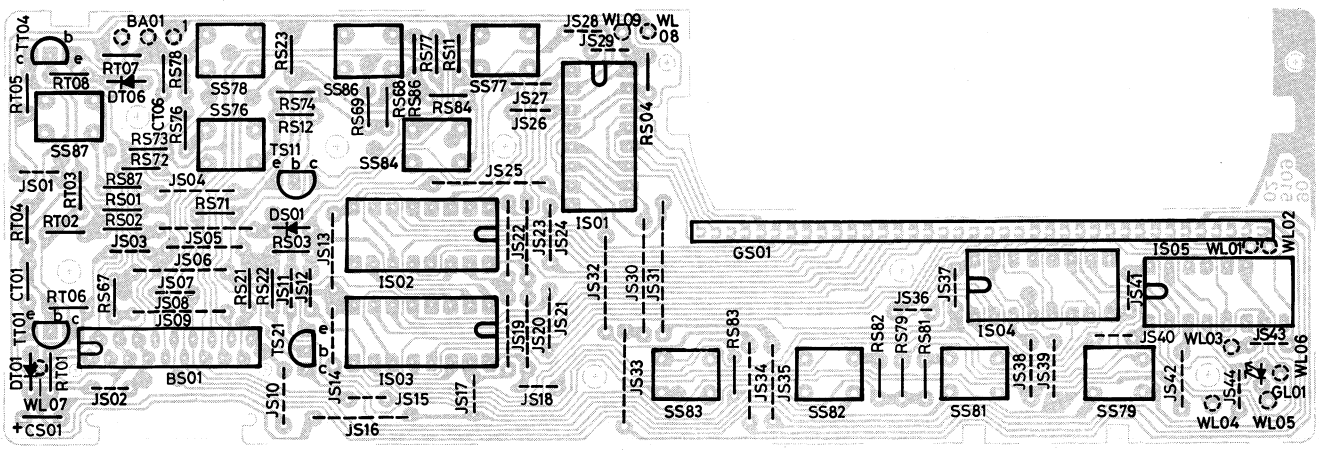


HD 6805 V1

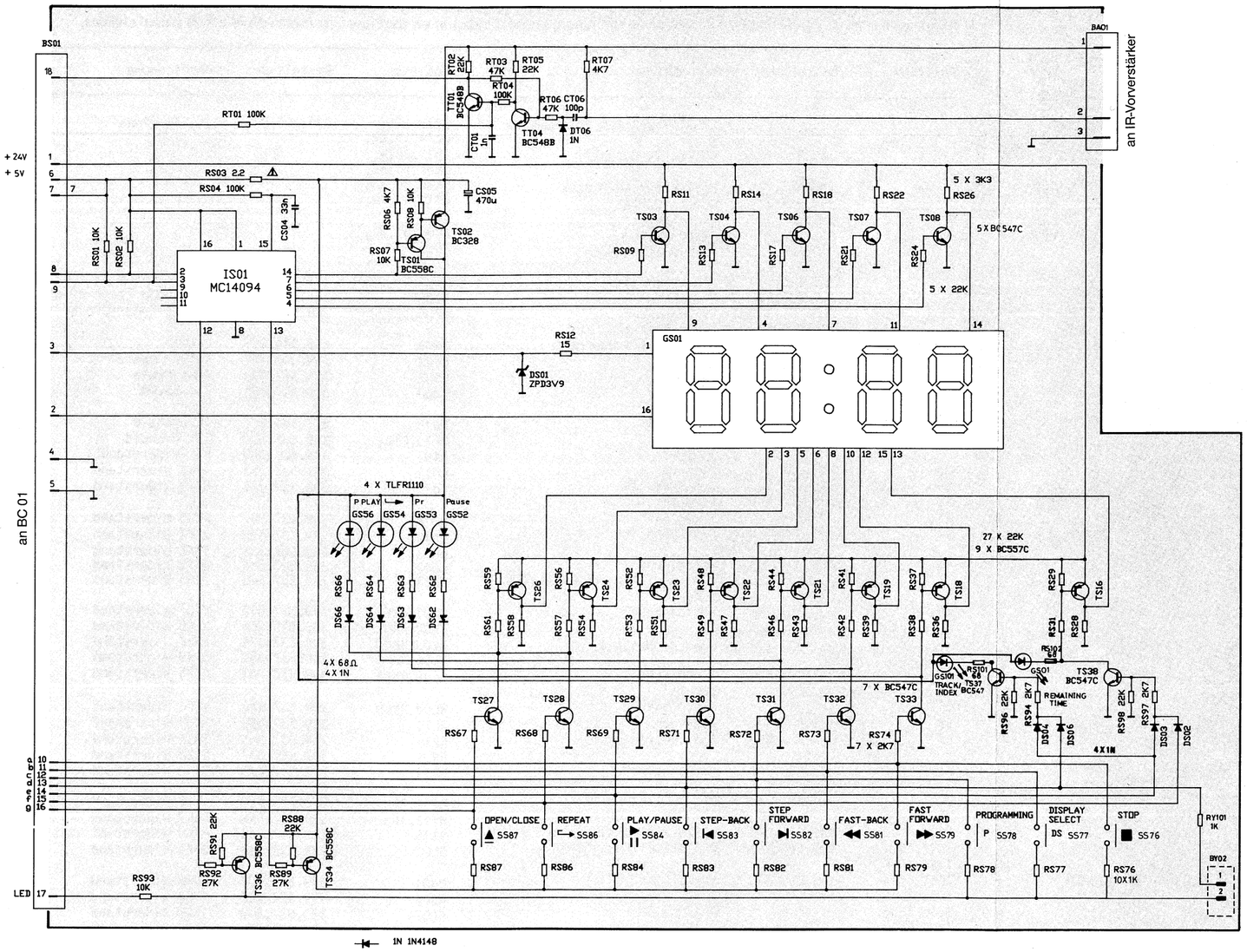
PIN	NAME	FUNKTION
25	B0	Segment a
26	B1	Segment b
27	B2	Segment c
28	B3	Segment d
29	B4	Segment e
30	B5	Segment f
31	B6	Segment g
32	B7	LED
33	A0	ATON (Automatic Tracking ON)
34	A1	JF (Jump Forward)
35	A2	JR (Jump Rewind)
36	A3	FF (Fast Forward)
37	A4	FR (Fast Rewind)
38	A5	SCSW (SubCode SWitch)
39	A6	CLK (CLock)
40	A7	frei

Bedienteil-Platte · Control board · Bloc de commandes CD 500

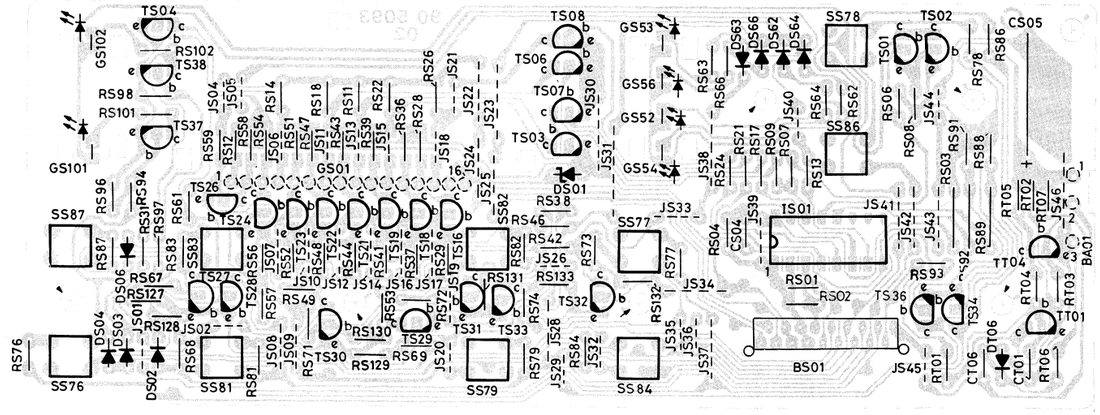


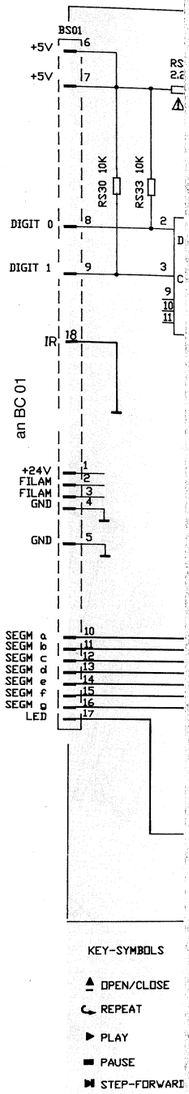


Bedienteil-Platte · Control board · Bloc de commandes

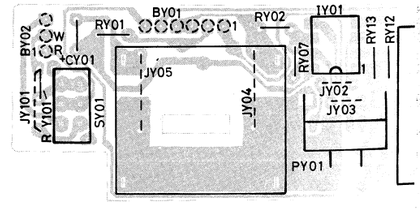


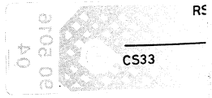
Bedienteil-Platte · Control board · Bloc de commandes HS 975 CD





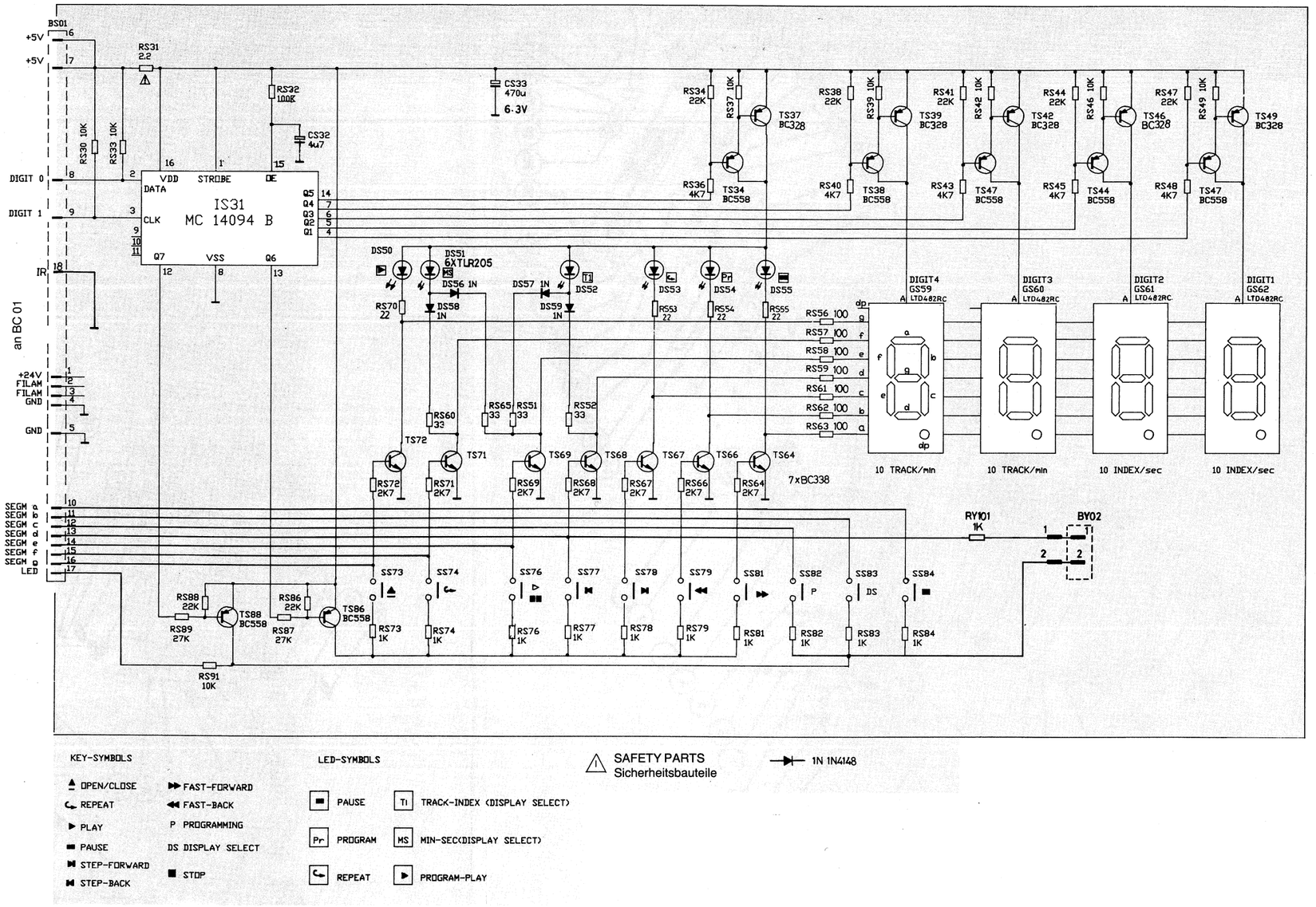
Kopfhörer-Anschlußplatte · Hea
Platine de casque d'écoute HS 8





Alle Platten: Ansicht auf Bestückungsseite
All PCB: Seen from component side
Toutes les platines: Vue de côté équipement

Bedienteil-Platte · Control board · Bloc de commandes



KEY-SYMBOLS

- OPEN/CLOSE
- REPEAT
- PLAY
- PAUSE
- STEP-FORWARD
- STEP-BACK
- FAST-FORWARD
- FAST-BACK
- P PROGRAMMING
- DS DISPLAY SELECT
- STOP

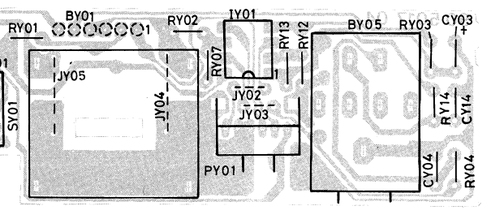
LED-SYMBOLS

- PAUSE
- TI TRACK-INDEX (DISPLAY SELECT)
- Pr PROGRAM
- MS MIN-SEC(DISPLAY SELECT)
- REPEAT
- PROGRAM-PLAY

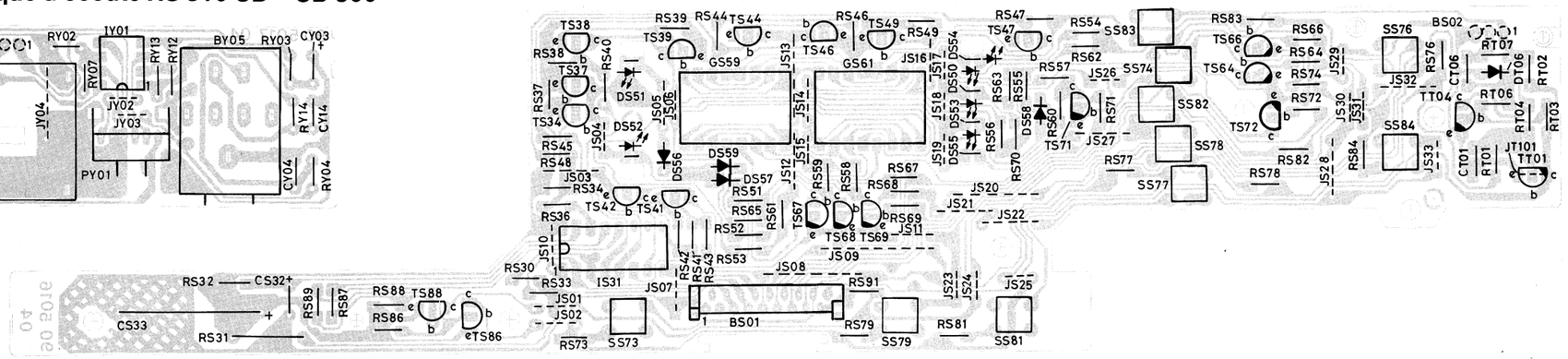
⚠ SAFETY PARTS
Sicherheitsbauteile

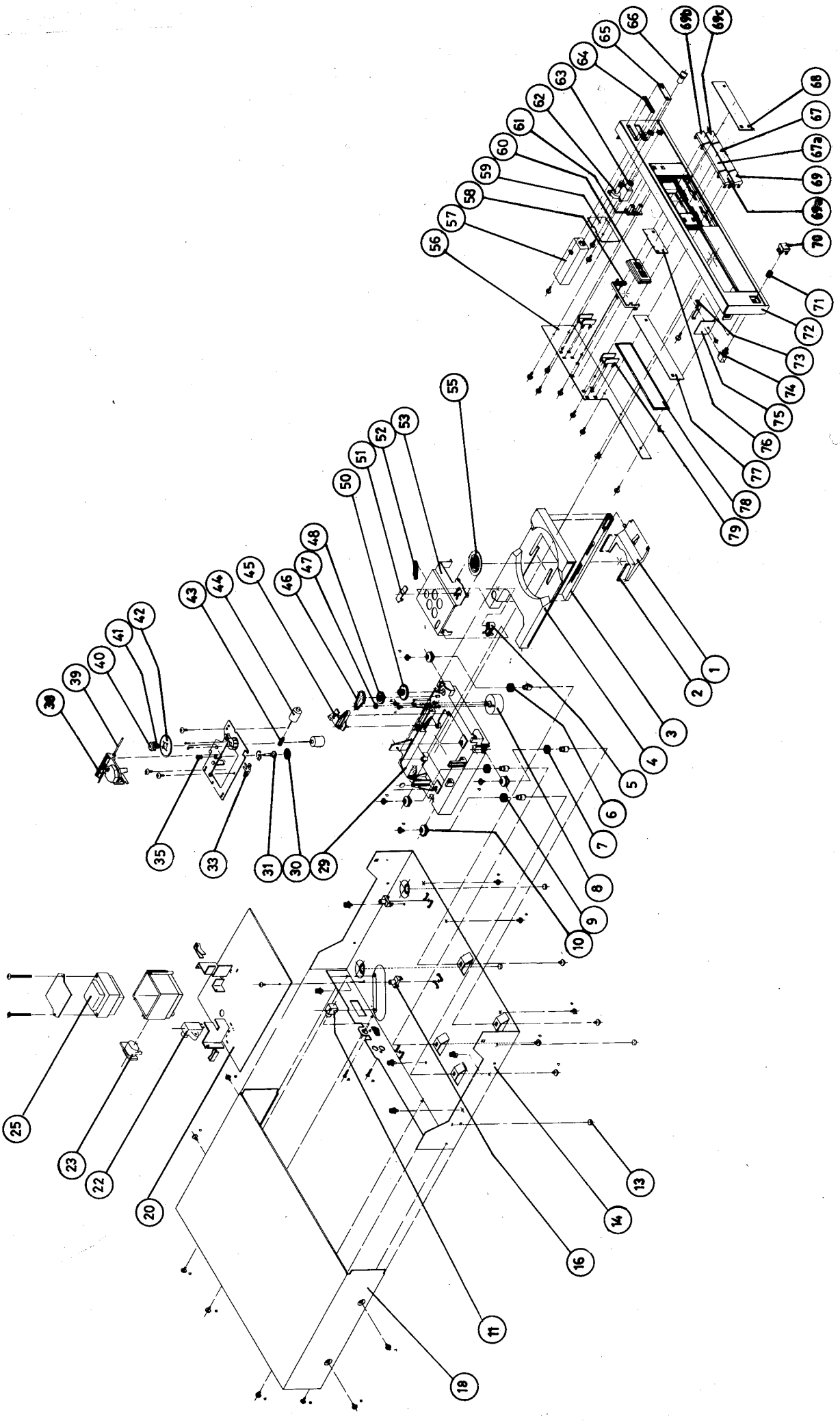
1N 1N4148

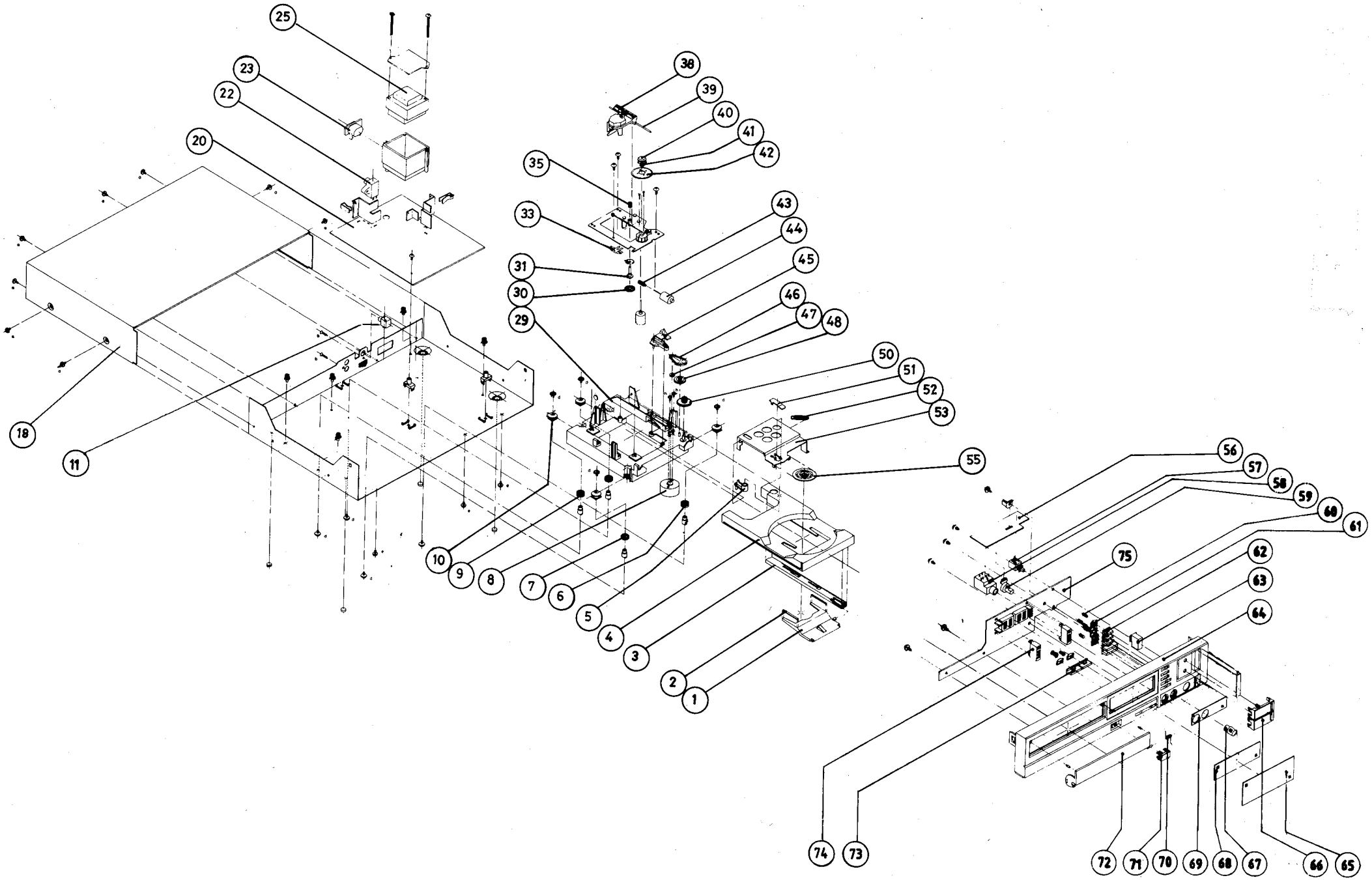
hörer-Anschlußplatte · Headphone board · ne de casque d'écoute HS 810 CD · CD 300



Bedienteil-Platte · Control board · Bloc de commandes HS 810 CD / CD 300




1
2
3
4
5
6
7
8
9
10
11
13
14
16
18
20
22
23
25
29
30
31
33
35
38
39
40
41
42
43
44
45
46
47
48
50
51
52
53
55
56
57
58
59
60
61
62
63
64
65
66
68
67
67a
69
70
71
72
73
74
75
76
77
78
79


25
23
22
20
18
11
38
39
40
41
42
35
33
43
44
31
45
30
46
47
48
29
50
51
52
53
55
10
9
8
7
6
5
4
3
2
1
56
57
58
59
60
61
75
62
63
64
74
73
72
71
70
69
68
67
66
65

Wichtig: Bei Ersatzteilbestellungen bitte **unbedingt** die neunstellige **Bestellnummer** angeben!
N. B.: When demanding Spare Parts it is **absolutely necessary** to quote the nine digit **Part Number.**
Important: Lors d'une commande de pièces de rechange, prière d'indiquer **en tout cas** le **numéro de la pièce** à neuf chiffres.

Position	Bestell-Nr.	Bezeichnung
		ERSATZTEILE FÜR CD-LAUFWERK
	349.338.027	CD-Laufwerk, kpl.
1	339.841.706	Halter für CD-Platte
2	339.851.705	Gummistreifen
3	339.821.717	Zahnstange
4	339.171.705	Plattenfach
5	339.766.708	Verriegelungshebel
6	339.916.702	Druckfeder 1-3
7	339.906.809	Druckfeder
8	339.301.807	Schiebemotor
9	339.916.703	Druckfeder 4
10	339.061.704	Gummifuß für Laufwerk
29	339.841.810	Halter
30	339.737.715	Zahnrad 2
31	339.836.812	Achse 1
33	339.916.813	Blattfeder
35	339.761.804	Zahnrad
38	559.318.026	Pick up
39	339.836.811	Schiebeachse
40	339.871.710	Zentrierstück
41	339.906.705	Druckfeder
42	339.251.806	Plattenteller
43	339.761.704	Schneckenrad
	339.950.025	2mm Kugel für Schneckenrad
44	339.301.705	Motor
45	339.871.722	Schiebehebel
46	339.731.703	Antriebsriemen
47	339.736.712	Riemenscheibe 1
48	339.736.711	Riemenscheibe 2
50	339.761.707	Zahnrad
51	339.911.714	Blattfeder
52	339.901.717	Zugfeder
53	339.826.809	Abdeckblech
55	339.266.701	Mittelstück
20		HAUPTLEITERPLATTE
TB02	339.556.060	BC328-25 Transistor
TC17,19, TD51,TF06, TF12,TF14, TL05,TL15, TL50,TL56, TM67,TN42, TP17,TR05, TR15,TT03	339.556.299	2SC1815GR Transistor
TF24,TM65	309.001.231	BC338-40 Transistor
TF25,TM54, TT27,TT28	309.001.332	BC328-40 Transistor
TM53,TM58, TM63,TN18, TN33,TN39, TP06,TP16, TP23,TT11	339.556.733	2SA1015GR Transistor
TN04	339.556.289	BF451 Transistor
IB01	339.576.551	CXA1081 IC
IC01	339.576.552	HD6805V1PC19 IC
ID01	339.576.425	CXD1135QZ IC
ID20	339.576.553	74HC4046 IC
ID21	339.576.291	HM6116FP IC
IH47,IF20	339.576.292	4558 IC
IM06	339.576.161	L272M IC
IN01	339.576.554	TD6720N IC
IP05	309.368.470	MC7805CT IC
IP10	309.368.458	LM317T IC
IP20	309.368.505	LM337SP IC
IR10	339.575.152	NJM4560D IC

Position	Bestell-Nr.	Bezeichnung
DB15,316, DL14,21,22, DD13,DF14, DM01,51,56, DN35,36,45, DT10,17,18, 19,35, DP06,31,32, 33,34	339.325.972	1N4148 Diode
DP01-04,07	339.525.013	1N4001 Diode
DN38	339.529.794	3V3 500MW Zener-Diode
DP05,12,22	339.529.729	ZPY6V2 Zener-Diode
QN07	339.344.823	Quarz
QC03	339.344.822	4M19Hz Quarz
LB02	339.347.430	10uH Spule
LN08	339.347.431	1uH Spule
PD18	339.501.807	1K Drehwid
PF15,PT01	339.502.800	10K Drehwid
RP01	339.537.800	PTC-Widerstand
RD11	339.537.835	44K2 Widerstand
RD12	339.537.836	61K9 Widerstand
RD18	339.537.837	5K36 Widerstand
RD19	339.537.838	22K1 Widerstand
RD21	339.537.839	11K8 Widerstand
RD22	339.537.824	4K75 Widerstand
RD23	339.537.840	7K68 Widerstand
RL01,RR01	339.537.812	2K37 Widerstand
RL02,RR02	339.537.841	3K65 Widerstand
RL03,RR03	339.537.825	825R Widerstand
RL04,RR04	339.537.836	61K9 Widerstand
RL08,RR08	339.537.843	8K25 Widerstand
RL09,RP09	339.537.844	5K76 Widerstand
RL11	339.537.845	3K92 Widerstand
RP11	339.537.846	383R Widerstand
RP21	339.537.847	402R Widerstand
RR11	339.537.845	3K92 Widerstand
RT12,16	339.537.824	4K75 Widerstand
RT13,14	339.537.848	56K2 Widerstand
RT15	339.537.849	64K9 Widerstand
RL07	339.537.842	68K1 Widerstand
RB04	339.537.831	90R9 Widerstand
RB06	339.537.832	27K4 Widerstand
RB07	339.537.833	13K0 Widerstand
RB08	339.537.834	412K Widerstand

Position	Bestell-Nr.	Bezeichnung
		GEHÄUSETEILE
13	339.061.751	Gehäusefuß
18	339.111.812	Gehäuseoberteil
61	339.211.804	Tastenknopf "B", Progr./Wiederh.
64	339.231.814	Schriftzug "TELEFUNKEN"
65	339.271.801	Filterscheibe für IR-Empfänger
66	339.221.859	Drehknopf f. L.-Einsteller
67	339.211.805	Tastenknopf "VOR-RÜCKLAUF"
67a	339.211.811	Tastenknopf "TITELSPRUNG"
68	339.271.802	Fenster für Display
69	339.211.808	Tastenknopf "STOP"
69a	339.211.806	Tastenknopf "CD-FACH"
69b	339.211.809	Tastenknopf "ANZEIGE"
69c	339.211.810	Tastenknopf "PAUSE,PLAY"
70	339.211.807	Tastenknopf "EIN-AUS"
72	339.121.807	Frontblende
76	339.271.803	Filter für Display
77	339.171.806	CD-Fachklappe
		MECHANISCHE ERSATZTEILE
16	339.871.834	Halter für Platte
58	339.871.824	Halter für Anzeige
71	339.406.860	Druckfeder
79	339.566.802	Halter für LED
		ELEKTRISCHE ERSATZTEILE
11	339.542.706	Cinchbuchse 1-fach
22	339.420.814	Cinchbuchse 2-fach
23	339.542.700	Netzeingangsbuchse
25	339.311.812	Netztrafo
60	339.372.802	Display
63	339.542.707	Kopfhöreranschl.-Buchse
74	339.441.802	Netzschalter
		BEDIENTEILPLATTE
IS01	339.576.428	TC4094BP IC
TS01,34,36	339.556.419	BC558C Transistor
TS02	309.001.314	BC328-25 Transistor
TS03,04, 06,07,08 27-33, 37,38	309.001.325	BC547C Transistor
TS16,17	309.001.326	BC557 Transistor
DS01	309.327.045	3,9V Zener-Diode
DS02-04,06 62,63,64, 65,66, DT06	309.325.927	1N4148 Diode
GS01	339.372.802	Display
GS52,53, 54,56, SS76-79 81-84, 86,87	339.529.899	LED, rot
	339.441.709	Taktschalter
56		**KOPFHÖRERANSCHLUSSPLATTE**
IY01	339.575.152	NJM4560D IC
PY01	339.501.806	50K Drehwid
		NETZSCHALTERPLATTE
	339.331.815	Netzschalterplatte, kpl.
		IR-VORVERSTÄRKER
	339.334.826	IR-Vorverstärker
		BEIPACK
	319.133.542	Bedienungsanleitung
	349.398.144	FB-Geber FB75
	339.489.118	Cinchleitung
	339.480.150	Netzkabel

Position	Bestell-Nr.	Bezeichnung
		GEHÄUSETEILE
13	339.061.705	Gehäusefuß
18	339.111.709	Gehäuseoberteil
60	339.911.712	Druckfeder
61	339.231.715	Führung für Tastenknopf
62	339.211.714	Tastenknopf
63	339.211.720	Tastenknopf "EIN-AUS"
64	339.121.706	Gehäusevorderteil
65	339.271.702	Fenster für LED
66	339.211.718	Wipptaste
67	339.221.700	Knopf für Schiebeeinsteller
68	339.271.701	Folie für LED-Fenster
69	339.231.716	Symboleinlage
71	339.211.717	Tastenknopf "ÖFFNEN-SCHLIESSEN"
72	339.171.706	CD-Fachklappe
73	339.211.716	Tastenknopf
74	339.566.709	Halter für LED
		MECHANISCHE ERSATZTEILE
70	339.911.715	Drehfeder
		ELEKTRISCHE ERSATZTEILE
11	339.542.706	Cinchbuchse 1-fach
22	339.420.814	Cinchbuchse 2-fach
23	339.542.700	Netzeingangsbuchse
25	339.311.812	Netztrafo
57	339.441.802	Druckschalter
58	339.542.705	K-H-Anschlußbuchse 6,3mm Klinke
59	339.501.719	50K Drehwid "LAUTSTÄRKE"
		BEDIENTEILPLATTE
IS31	339.576.428	TC4094BP IC
TS34,38, 41,44,47, 86,88	339.556.419	BC558C Transistor
TS37,42, 46,49	309.001.314	BC328-25 Transistor
TS64,66, 64,71,72	309.001.231	BC338-40 Transistor
GS59,61	339.374.800	7-Segment LED
DS50-55	339.524.466	LED, rot
DS56-59	309.325.927	1N4148 Diode
M59,61	339.566.800	IC-Sockel, 16-pol.
SS73,74, 76-79, 81-84	339.441.709	Taktschalter
		KOPFHÖRERANSCHLUSSPLATTE
IY01	339.575.152	NJM4560D IC
		BEIPACK
	319.133.539	Bedienungsanleitung
	339.489.118	Cinchleitung
	339.480.150	Netzkabel